BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish CYP46A1.1 Antibody Picoband®

Catalog Number: AZQ504G3

About CYP46A1.1

Predicted to enable cholesterol 24-hydroxylase activity and heme binding activity. Predicted to be involved in cholesterol catabolic process. Predicted to be located in membrane. Human ortholog(s) of this gene implicated in Alzheimer's disease. Orthologous to human CYP46A1 (cytochrome P450 family 46 subfamily A member 1).

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Overview

Product Name	Anti-Zebrafish CYP46A1.1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish CYP46A1.1 Antibody Picoband® catalog # AZQ504G3. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q504G3

Technical Details

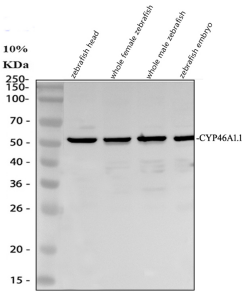
Immunogen	E.coli-derived Zebrafish CYP46A1.1 recombinant protein (Position: Y27-R468).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish

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Anti-Zebrafish CYP46A1.1 Antibody Picoband® (AZQ504G3) Images



Western blot analysis of CYP46A1.1 using anti-CYP46A1.1 antibody (AZQ504G3). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: zebrafish head tissue lysates, Lane 2: whole female zebrafish tissue lysates, Lane 3: whole male zebrafish tissue lysates, Lane 4: zebrafish embryo tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CYP46A1.1 antigen affinity purified polyclonal antibody (AZQ504G3) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for CYP46A1.1 at approximately 58 kDa. The expected band size for CYP46A1.1 is at 58 kDa.

Anti-Zebrafish CYP46A1.1 Antibody

For Research Use Only. Not for use in diagnostic procedures.